

RECLAMATION ESTIMATE

last revision 05/19/93

U.S. Gypsum Company

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Jumbo-Jensen Quarry

page name "estimate"

M/041/008

Sevier County

Prepared by Utah State Division of Oil, Gas & Mining

*This estimate is based on the 1988 Reclamation Plan Summary**-This estimate does not include any reclamation of the plant site**-The reclamation plan includes haul roads & mine quarries**-Waste material will be regraded into the mine quarries**-Soil material will be placed on the waste & ripped**-The regraded mine quarries will be seeded & fertilized**-Haul roads which do not have a post mining use will be reclaimed**-Haul roads will be ripped, regraded and covered with soil material**-The regraded road will be seeded & fertilized**-Assume 20% of the total reclaimed area will need reseeding only**-Mine area acreage (measured from map dated 5/12/93) 120.3**Haul road acreage (measured from map dated 5/1/293) 33.3**-Estimated total disturbed acreage = 153.6*

Activity	Amount	\$/acre	\$	
Regrade quarries	120.3 acre	654	78,676	(1)
Spread stockpiled soil material @ mi	120.3 acre	327	39,338	(2)
Rip regraded mine area (0.8 mph)	120.3 acre	295	35,489	(3)
Seed & fertilize mine quarries	120.3 acre	245	29,474	(4)
Rip/Regrade haul roads(0.5 mph)	33.3 acre	463	15,418	(5)
Spread stockpiled soil material @ ro	33.3 acre	327	10,889	(2)
Seed & fertilize roads	33.3 acre	245	8,158	(4)
Reseed 20% of areas	30.72 acre	150	4,608	(6)
Mobilization	2 equip	1,000	2,000	(7)
Subtotal			224,050	
Add 10% contingency			22,405	
1993-\$ Subtotal			246,455	
Add 5 years escalation at 1.42%			18,002	
Total 1998-\$			264,457	

Rounded Total in 1998-\$ \$264,500

Average cost per acre = \$1,722

- (1) 50 ft push, D8N, U-blade, 2 ft deep
- (2) 50 ft push, D8N, U-blade, 1 ft deep
- (3) D9N @ 0.8 mph
- (4) same as 1993 unit cost?
- (5) D9N @ 0.5 mph
- (2) 50 ft push, D8N, U-blade, 1 ft deep
- (4) same as 1993 unit cost?
- (6) 20% of total area, 60% of initial cost
- (7) DOGM estimate of mob/demob